

[illegible]

A method of creating a tooling master model for a manufacturing process for a part includes generating a manufacturing context model from a parametric model for the part. The tooling master model includes a tooling geometry for the part, and the manufacturing context model includes a number of tooling features. A system for generating the tooling master model includes a computer aided design (CAD) system configured to receive the parametric model and to generate the manufacturing context model from the parametric model.